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| --- | --- |
| \_\_\_\_\_\_ | 1. Solutions are formed when substances \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in other substances    1. Dissolve    2. Crystallize |
| \_\_\_\_\_\_ | 1. The substance that is dissolved in a solution is the    1. Solute    2. Solvent |
| \_\_\_\_\_\_ | 1. Extra sugar sitting at the bottom of a pitcher of koolaid indicates the solution is    1. Dilute    2. Concentrated    3. Saturated |
| \_\_\_\_\_\_ | 1. A crushed sugar cube dissolves \_\_\_\_\_\_\_\_\_\_\_\_\_\_ than a whole sugar cube    1. Faster    2. Slower    3. The same rate |
| \_\_\_\_\_\_ | 1. Which of the following increases the speed at which a substance dissolves, but not the amount that can be dissolved?    1. Agitation    2. Increased temperature    3. Increased pressure |
|  |  |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Select the best response

1. Explain **why** heat causes a substance to dissolve faster:
2. Explain **how** surface area affects the rate at which something dissolves:

Identify 3 solutions you see in your world and the parts of each solution

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| --- | --- | --- |
| **Solution** | **Solvent** | **solute** |
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